

§ 149.423

- (2) A flexible ladder; or
- (3) A knotted man rope.
- (g) Two exits must be provided from each space having over 300 square feet of floor area. Where practicable, the exits must give egress to different corridors, rooms, or spaces.
- (h) Exits must provide egress to the external means of escape required in this section. Dead end corridors may not be longer than 40 feet.

§ 149.423 Means of escape from helicopter landing pad.

Each helicopter landing pad on the PPC must have at least two fixed means of escape that are independent of those required by § 149.421:

- (a) From the pad to the first working level below the pad or the water; and
- (b) As far from each other as practicable.

PERSONNEL LANDINGS

§ 149.431 Personnel landings.

Each PPC must have at least two personnel landings for access to the platform from the water unless:

- (a) Personnel landings are not possible because of the PPC design; and
- (b) The PPC has a personnel basket transfer system.

§ 149.433 Personnel landing illumination.

Each personnel landing must have at least 1 foot-candle of artificial illumination on its guard rails or fence and on its deck.

GUARDRAILS, FENCES, NETS, AND TOEBOARDS

§ 149.441 Open sided deck, deck opening, catwalk, and helicopter pad protection.

(a) Each open sided deck, deck opening, and catwalk on each PPC must have protection that meets the "Safety Requirements for Floor and Wall Openings, Railings, and Toeboards" of the American National Standards Institute (ANSI A12.1), except each must have toeboards.

(b) Each open side of each helicopter landing pad on the PPC must have:

- (1) Safety net; or
- (2) A lowered walkway that is 48 inches wide, is not more than 42 inches

33 CFR Ch. I (7-1-01 Edition)

below the level of the pad, and has guard rails that meet the requirements of ANSI A12.1, except each must have toeboards.

FIXED FIRE MAIN SYSTEM FOR WATER

§ 149.451 Fixed fire main system for water.

Each PPC must have a fixed fire main system for water.

§ 149.453 Fire pumps.

(a) Each PPC must have at least two independently driven fire pumps that can deliver two streams of water at a continuous pitot tube pressure of at least 75 p.s.i. at each fire hose nozzle.

(b) Each fire pump must have:

(1) A relief valve on its discharge side that is set to relieve at 25 p.s.i. in excess of the pressure necessary to meet the requirement in paragraph (a) of this section;

(2) A pressure gauge on its discharge side; and

(3) Its own water source.

(c) Fire pumps may only be connected to the fire main system.

§ 149.455 Fire pump location.

The fire pumps required by § 149.453(a) may not be located in the same space.

§ 149.457 Fire hydrants.

(a) Each part of the PPC that is accessible to any person, except machinery spaces, must have enough fire hydrants so that it can be sprayed with at least two spray patterns of water. At least one spray pattern of water must be from one length of hose.

(b) Each PPC must have enough fire hydrants so that each machinery space can be sprayed with at least two spray patterns of water from separate hydrants. Each spray pattern of water must be from one length of hose.

(c) A single length of fire hose, with nozzle attached, must be connected to each fire hydrant at all times.

§ 149.459 Fire hydrant outlet.

The outlet on each fire hydrant must not point above the horizontal.